

Title (en)
ROUNDS COUNTER REMOTELY LOCATED FROM GUN

Title (de)
REMOTE-SCHUSSZÄHLER FÜR EINE SCHUSSWAFFE

Title (fr)
COMPTEUR D'OBUS SITUÉ À DISTANCE D'UN CANON

Publication
EP 2149025 A4 20121226 (EN)

Application
EP 08754516 A 20080515

Priority
• US 2008006308 W 20080515
• US 80598907 A 20070524

Abstract (en)
[origin: US2008289485A1] A rounds counter for a weapon mount is disclosed. The rounds counter is mounted on the mount in a remote location from the weapon itself, such as to a pedestal supporting a gimbal rotating the weapon mount in azimuth, inside an elevation drive housing, or to other structure. The mounting location is selected to be one where shock loads are relatively high, as compared to other locations on the mount. The rounds counter includes a sensor which senses shock due to the firing of the weapon, such as an accelerometer or strain gauge. The sensor could also be an acoustic transducer. Analog and digital circuitry for processing the sensor signal and to count the firing of the gun is also disclosed. The rounds counter is particularly useful as a common, single rounds counter unit for a weapon mount is adapted to receive and fire a variety of weapons, such as remotely operated weapon mounts mounted to military vehicles and patrol watercraft adapted to receive and fire four different types of guns.

IPC 8 full level
G06M 1/00 (2006.01); **F41A 19/01** (2006.01)

CPC (source: EP US)
F41A 19/01 (2013.01 - EP US)

Citation (search report)
• [I] US 2005114084 A1 20050526 - JOHNSON ERIC A [US], et al
• [I] US 5949015 A 19990907 - SMITH STEVE [US], et al
• See references of WO 2008150356A1

Cited by
CN102538576A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
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US 2008289485 A1 20081127; US 7614333 B2 20091110; AU 2008260639 A1 20081211; AU 2008260639 B2 20110324;
EP 2149025 A1 20100203; EP 2149025 A4 20121226; US 2010011943 A1 20100121; US 7802391 B2 20100928; WO 2008150356 A1 20081211

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